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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: 2/14/2011

(use as many sheets as necessary)
Sheet 1 of 3

	Complete if Known	
Application Number	10/578,903	<i>T_</i>
Filing Date	11/22/2004	TŠ
First Named Inventor	Mary Ann AUGUS	邻
Art Unit	1613	7
Examiner Name	Hong YU	
Attorney Docket Number	024219-0105	

	U.S. PATENT DOCUMENTS					
Examin	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant	
er Initials*	No. <sup>1</sup>	Number-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear	
	B1	2006/0008575	01-12-2006	ARMBRECHT ET AL.		
	B2	2006/0159825	07-20-2006	SMITH ET AL.		
	В3	2007/0212475	09-13-2007	AUGUSTIN ET AL.		
	B4	4,844,919	07-04-1989	SZWERC, JOE		
	B5	5,108,758	04-28-1992	ALLWOOD ET AL.		
	B6	5,444,054	08-22-1995	GARLEB ET AL.		
	B7	5,455,342	10-03-1995	REDDING, JR., BRUCE K.		
	B8	5,547,513	08-20-1996	MALLEE ET AL.		
	B9	5,840,860	11-24-1998	ANNISON ET AL.		
	B10	5,866,619	02-02-1999	SINTOV ET AL.		
	B11	5,945,528	08-31-1999	SOMMERMEYER ET AL.		
	B12	5,952,314	09-14-1999	DEMICHELE ET AL.		
	B13	6,048,563	04-11-2000	SWARTZ ET AL.		
	B14	6,234,464	05-22-2001	KRUMBHOLZ ET AL.		
	B15	6,368,629	04-09-2002	WATANABE ET AL.		
	B16	6,403,130	06-11-2002	BEYER, RICHARD		
	B17	6,413,567	07-02-2002	DUDACEK ET AL.		
	B18	6,531,152	03-11-2003	LERNER ET AL.		
	B19	6,613,373	09-02-2003	HAYNES ET AL.		
	B20	6,689,389	02-10-2004	GUSTAVSSON ET AL.		
	B21	6,737,099	05-18-2004	GURAYA, HARMEET S.	:	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3-</sup> Number <sup>4-</sup> Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	B22	JP-06-141820	05-24-1994	SANKYO KOSAN KK		T 🗸
	B23	JP-10-195105	07-28-1998	NIPPON SHOKUHIN KAKO CO., LTD.		V
	B24	JP-10-324642	12-08-1998	MEIJI SEIKA KAISHA LTD.		Abs

## NON PATENT LITERATURE DOCUMENTS

Examiner Signature	/Hong Yu/	Date Considered	06/21/2011

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Substitute for form 1449/PTO			19/PTO	Complete if Known		
INFORMATION DISCLOSURE			LOSURE	Application Number	10/578,903	
	STATEMENT B	Y APP	PLICANT	Filing Date	11/22/2004	
	Date Submitted: 2/14/2011		First Named Inventor	Mary Ann AUGUSTIN		
	Date Submitte	3G. 27 14	4/2011	Art Unit	1613	
	(use as many she	ets as	necessary)	Examiner Name	Hong YU	
Sheet	2	of	3	Attorney Docket Number	024219-0105	

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	B25	Augustin et al, "Microencapsulation of food ingredients", Food Australia, 2001, 53, pp. 220-223 (4 pgs).	
	B26	Brazel, C.S., "Microencapsulation: offering solutions for the food industry", Cereal Foods World, 1999, 44(6), pp.388-393 (5 pgs).	
	B27	Chung et al., "Physiochemical properties of sonicated mung bean, potato and rice starches", Cereal Chemistry, 2002, 79(5), pp. 631-633 (3 pgs).	
	B28	Dommels et al., "Dietary n-6 and n-3 polyunsaturated fatty acids and colorectal carcinogenesis: results from cultured colon cells, animal models and human studies", Environmental Toxicology and Pharmacology, 2002, Vol. 12 (4), 233-244 (12 pgs).	
	B29		
	B30	Isono et al., "Ultrasonic degradation of waxy rice starch", Biosci. Biotech. Biochem, 1994, 58(10), pp.1799-1802(4 pgs).	
	B31	Karmali, Radasha A., "Historical Perspective and Potential Use of n-3 Fatty Acids in Therapy of Cancer Cachexia, Nutrition, 1996, Vol. 12 (1), S2-S4 (3 pgs).	
	B32	Onwulata et al., "Starches and fibers treated by dynamic pulsed pressure", Food Research International, 2000, 33, pp.367-374 (8 pgs).	
	B33	RSTAR 11/02, AOAC Method 2002.03; AACC Method 32-40, Megazyme, pp. 1-15 (16 pgs).	
	B34	Rubinstein et al., "The rationale for peptide drug delivery to the colon and the potential for polymeric carriers as effective tools" J. Controlled Release, 1997, 46, pp. 59-73 (15 pgs).	
	B35	Rubinstein, Abraham, "Natural Polysaccharides as targeting tools of drugs to the human colon", Drug Development Research, 2000, 50, pp. 435-439 (5 pgs).	
	B36	Seguchi et al., "Study of wheat starch structures by sonication treatment", Cereal Chemistry, 1994, 71 (6) pp.636-639(4 pgs).	
	B37	Sinha et al., "Microbially triggered drug delivery to the colon", Eur. J. Pharmaceutical Sciences, 2003, 18, pp.3-18 (16 pgs).	
	B38	Sinha et al., "Polysaccharides in colon-specific drug delivery", Int. J. Pharmaceutics, 2001, 224, pp. 19-38 (20 pgs).	

Examiner Signature	/Hong Yu/	Date Considered	06/21/2011

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language

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Date Submitted: 2/14/2011		First Named Inventor	Mary Ann AUGUSTIN	
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	(use as many shee	ets as necessi	ry) Examiner Name	Hong YU
Sheet	3	of 3	Attorney Docket Numb	er 024219-0105

	NON PATENT LITERATURE DOCUMENTS					
tritials*   Cite   No.1   item (book, magazine, journal, serial, symposium, catalog, et		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>			
	B39	Stolt et al., "Evaluation and modeling of rheological properties of high pressure treated waxy maize starch dispersions", Journal of Food Engineering, 1999, 40, pp.293-298 (6 pgs).				
	B40	Vandaamme et al., "The use of polysaccharides to target drugs to the colon", Carbohydrate Polymers, 2002, 48, pp. 219-231 (13 pgs).				
	B41	US Office Action on 024219-0106 DTD 3/3/2010				
	B42	US Office Action on 024219-0106 DTD 8/11/2010				

		7	
Examiner Signature	/Hong Yu/	Date Considered	06/21/2011

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